

Balanced PC/ABS Alloy WY-A165

Product Description

Features — Excellent flowability, high strength and outstanding overall performance; suitable for injection molding.

Applications — Widely used in automotive interiors, electronic products, mobile phone housings, high-end helmets, and general molded parts.

Technical Properties

Property	Test Method	Unit	Typical Value
Density (23°C)	ASTM D792	g/cm ³	1.13
Melt Flow Rate (260°C, 5kg)	ASTM D1238	g/10min	22
Tensile Strength (50mm/min)	ASTM D638	MPa	55
Flexural Strength (2mm/min)	ASTM D790	MPa	80
Flexural Modulus (2mm/min)	ASTM D790	MPa	2150
Impact Strength (Notched, 23°C)	ASTM D256	kg-cm/cm	57
Heat Deflection Temperature (1.82MPa)	ASTM D648	°C	104
Flammability	UL-94 1.5mm	—	HB

Processing Conditions

Parameter	Unit	Recommended Range
Pre-drying Temperature	°C	80–100
Pre-drying Time	h	3–4
Injection Temperature (Feed Zone)	°C	210–240
Injection Temperature (Middle Zone)	°C	235–270
Injection Temperature (Nozzle)	°C	225–260
Mold Temperature	°C	70–90

1.This data are provided for general reference only.

2.The typical values listed above are for reference only. During actual processing, process parameters should be adjusted accordingly based on mold design, product geometry, and dimensions.